

2 that] wherein [the width of] the contact surface [(44) is] has a width of 1/5,000 to
3 1/50 [preferably 1/1,000 to 1/250] of [the] a nominal width of the sealing system
4 [and is in particular between 0.01 and 1 mm, preferably 0.05 and 0.2 mm].

1 3. (Amended) The sealing system according to claim 1, [or 2,
2 characterized in that] wherein the contact surface [(44)] is loaded with a specific
3 sealing pressure, which is in the elastic deformation range of a [the] material of which
4 the parts [(12, 13)] consist [preferably in the range of approximately 20 to 80% of the
5 yield point (Rp0.2) of the material of the parts (12, 13), particularly between 30 and
6 140 N/mm].

1 4. (Amended) The sealing system according to claim 1, [one of the
2 preceding claims, characterized in that] wherein the sealing surfaces [(20, 25)] have a
3 mutual guidance transverse[ly] to the media area wall [(30)].

1 5. (Amended) The sealing system according to claim 1, [one of the
2 preceding claims, characterized in that] wherein [the cross-section of] the sealing
3 surfaces [(20, 25) has] have a cross-section with a mutually complimentary[,
4 preferably S-shaped curved] profile.

1 6. (Amended) The sealing system according to claim 1, [one of the
2 preceding claims, characterized in that] wherein the sealing surfaces [(20, 25)] are
3 designed in such a way that [the] a specific sealing pressure decreases from [the] an
4 intersection line of [the] a sealing gap [(45)] between the sealing surfaces with the
5 media-carrying area wall [(30) and preferably surface portions available as reserve
6 sealing surfaces (21, 26) at the contact surface (44) are adjacent to both parts, which
7 also have a complimentary design, particularly a curvature and preferably in the
8 vicinity of the reserve sealing surfaces (21, 26) is provided an annular clearance (46)
9 with a size of 1/5,000 to 1/500, preferably 3/5,000 to 7/5,000 of the nominal width
10 of the sealing system].

1 7. (Amended) The sealing system according to claim 1, [one of the
2 preceding claims, characterized in that] wherein guide sections are provided on both
3 parts [(12, 13) are provided], the guide sections situated transversely to and spaced

4 from the sealing surfaces [(20, 25) guide sections (35, 41)] wherein, for [the] pre-
5 centering of the two parts, [and adjacent to] the guide sections [are] have insertion
6 bevels [(34, 40, 42)] for [the] bringing [together of] the two parts together, and a
7 separating gap is formed between the guide sections [(35, 41) is formed a separating
8 gap (47)] for [through which there is a mutual] align[ment]ing [of] the two parts
9 before the sealing surfaces [(20, 25)] are pressed together.

1 8. (Amended) The Sealing system according to claim 1, [one of the
2 preceding claims, characterized in that] wherein [the contact surface (44) is designed
3 in such a way that] the media-carrying area walls [(30)] of both parts [(12, 13)] are
4 truly aligned [in projection-free manner with] at the sealing gap [(45)].

1 9. (Amended) The sealing system according to claim 1, [one of the
2 preceding claims, characterized in that] wherein, [the contact surface (44)] adjacent to
3 the media-carrying area wall, [(30) is in an area of the sealing gap (45), where] the
4 sealing surface [(20)] of one of the parts has a sealing lip [(37)] projecting towards the
5 other part and which is received in a corresponding half-recess [(31)] on the sealing
6 surface [(25)] of the other part.

1 10. (Amended) The sealing system according to claim 3, [one of the
2 preceding claims, characterized in that] wherein the sealing pressure is predetermined
3 by a stop[-limited] provided by a clamping device [(50)].

1 11. (Amended) The Sealing system according to claim 1, [one of the
2 preceding claims, characterized in that] further comprising stop faces between the
3 parts, which form [in the clamping direction there are stop faces with] a clearance
4 [(48)] between the[m] parts, whose width is sufficiently large that on bracing the
5 sealing system up to the closing of the clearance, [(48) the] a sealing pressure is built
6 up by the elastic deformation of the parts[, the clearance width preferably being
7 approximately 1/5,000 to 1/100, preferably 1/100 to 3/100 of the nominal width of
8 the connection].

1 12. (Amended) The Sealing system according to claim 1, [one of the
2 preceding claims, characterized in that] further comprising an elastically deformable

3 portion of the parts interposed between a clamping device [(50) bringing about the
4 bracing of the parts] and the sealing surfaces [(20, 25) is interposed at least one
5 portion of the parts subject to an elastic deformation, said portion being in particular
6 formed by at least one annular or tubular projection (24) between the clamping device
7 (50) and the sealing surface (20, 25)].

1 13. (Amended) The Sealing system according to claim 1, [one of the
2 preceding claims, characterized in that] wherein the sealing system is a joint
3 connection between two media-carrying parts[, particularly between two pipes].

1 14. (Amended) The sealing system according to claim 1, [one of the
2 preceding claims, characterized in that] wherein the parts [(12, 13)] are made [from a
3 hard material, the parts being in each case made] from an equally hard material[,
4 particularly metal, such as stainless steel or plastic].

1 15. (Amended) A method for the manufacture of a sealing system
2 according to claim 1, [one of the preceding claims, characterized in that] wherein the
3 sealing surfaces [(20, 25)] are produced by profile precision turning by means of
4 mutually complimentary profile cutting edges [and preferably the reserve sealing
5 surfaces (21, 26) are produced simultaneously with the same profile cutting edges].

Respectfully submitted,

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